

SAM INSTALLATIONS IN SOVIET BLOC IDENTIFIED ON KEYHOLE MISSIONS

25X1D

Declass review-NIMA/DOD



CIA



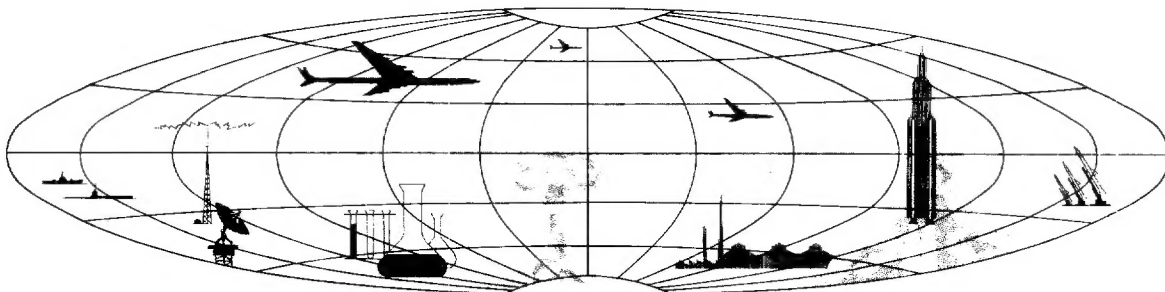
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NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



PHOTOGRAPHIC INTERPRETATION REPORT

SAM INSTALLATIONS IN SOVIET BLOC
IDENTIFIED ON KEYHOLE
MISSIONS

25X1D

NPIC/R-703/64

August 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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Approved For Release 2000/05/09 : CIA-RDP78B04560A002700010034-2

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SAM INSTALLATIONS IN SOVIET BLOC IDENTIFIED

ON KEYHOLE MISSIONS [REDACTED] 25X1D

This report has been prepared in response to CIA requirements C-RR4-81,532 and C-RR4-81,533, requesting information on surface-to-air-missile (SAM) sites and SAM support facilities newly identified on photography from

sites, one possible SA-3, one SAM storage area, and one SAM training site had been identified on the referenced coverage. (No SAM support facilities were identified.)

Table 1 provides detailed information on each of these installations. Photographs of all 26 are also included (Figures 1-25). All of the SAM sites were observed to be of normal SA-2 or SA-3 size; therefore, site dimensions are not included in this report.

of 14 July 1964 (the cutoff date for the study on which this report is based), 20 SA-2 SAM sites, one probable SA-2 SAM site, two SA-3

25X1D

Table 1. Data on SAM Installations Identified on

Installation 1/	BE No	Geographic Coordinates	Configuration	Construction Status	Additional Description 2/	First Photographic Coverage	Negation Date	Map Reference (USATC Series 200; Sheet No, Edition Date)	NPIC No	Figure No
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25X1D

SA-3 SAM Sites1.^{3/}Odessa A28-346-29-00N
30-29-40E

G

Complete

normal SA-3; probably uses support facility of adjacent Odessa SAM Site A28-2

0250-8HL,
Sep 62

51-L1

1

2. Ussuriysk
A04-343-52-15N
132-02-15E

Undetermined

Complete

normal SA-3 except that service road enters from the preferred direction of fire; singly deployed; probably uses Ussuriysk SAM Support Facility, 0.5 nm to SSW

0291-1A,
Jun 58

50-C

2

3. Postavy MRBM Complex Possible SAM Site (no designator at present)

55-09-10N
26-56-40E

Undetermined

Early stage (U/C)

Orientation undetermined; singly deployed

0168-9HL,
Sep 62

178-D

3

SA-2 SAM Sites 4/

4. Aktogay D08-2

47-25-00N
80-00-00E

Undetermined

Complete

Normal SA-2

0244-4AL,
Nov 59

2-B

4

5. Bereza B20-2

52-15-00N
24-50-40E

Undetermined

Complete

Normal SA-2 but no on-site support facility

0168-23HL,
Jan 63

6-H

5

6. Brest A33-2

52-13-05N
23-32-20E

Undetermined

U/C; see Additional Description

Has four complete launch revetments and a fifth U/C; no on-site support facility

0168-22HL,
Feb 63

14-O

6

7. Bobruysk
A27-253-08-10N
29-08-40E

Undetermined

Complete

Normal SA-2 but no on-site support facility

0168-20HL,
Oct 62

11-J

7

See footnotes at end of table.

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25X1A

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25X1A

Table 1. (Continued)

Installation 1/	BE No	Geographic Coordinates	Configuration	Construction Status	Additional Description 2/	First Photographic Coverage	Negation Date	Map Reference (USATC Series 200; Sheet No, Edition Date)	NPIC No	Figure No
8.3/Grodno C35-2		54-07-40N 23-40-00E	Link	Complete	Normal SA-2 but no on-site support			0168-12AL, Nov 62	22-K	8
[REDACTED]										
12. Kalinin B31-2		57-00-55N 35-27-50E	Undetermined	Complete	Normal SA-2 but no on-site support facility			0154-17HL, Jan 64	20-P	12
13. Kalinkovichi A16-2		52-06-40N 29-20-00E	Undetermined	Complete	Normal SA-2; nearly adjacent to Kalinkovichi SAM Site A17-2			0168-25HL, Dec 62	110-F	13
14. Kalinkovichi A17-2		52-06-30N 29-19-50E	Undetermined	Complete	Probable training role indicated by proximity of Kalinkovichi SAM Site A16-2			0168-25HL, Dec 62	110-G	13
15. Moscow E27-2		55-41-10N 36-14-10E	Star	Complete	Probable training role indicated by proximity of a barracks area			0167-4HL, Mar 63	122-Q2	14
16. Mukachevo B06-2		48-33-30N 23-00-00E	Undetermined	Complete	Probable training role indicated by proximity of a barracks area			0232-24HL, Aug 63	107-U	15
17. Nadvornaya MRBM Complex C21-2		49-19-18N 24-28-40E	Fan; see Additional Description	Complete	Site layout is adapted to topography but is generally fan shaped			0232-25, Jun 63	163-V	16

See footnotes at end of table.

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Table 1 (Continued)

Installation 1/	BE No	Geographic Coordinates	Configuration	Construction Status	Additional Description 2/	First Photographic Coverage	Negation Date	Map Reference (USATC Series 200; Sheet No, Edition Date)	NPIC No	Figure No
25X1A	25X6									
20. Ryazan B14-2		54-27-00N 39-59-40E	Undetermined	U/C; see Additional Description	Central guidance revetment and two launch revetments appear complete; rest of site is U/C			0166-6HL, Nov 62	20-K	19
21. Rzhev B34-2		56-31-00N 34-04-40E	Link	Complete	Normal SA-2 but no on-site support facility			0154-21HL, Mar 64	50-F	20
22. Saratov A31-2		51-43-20N 45-47-30E	Star	Complete	Normal SA-2			0235-2HL, Jan 64	14-R	21
23. Ternopol B35-2		49-42-40N 25-30-20E	Undetermined	Complete	Normal SA-2 but no hold revetments or on-site support facility			0233-11HL, Jun 62	58-B	22
24. Ugolnyy SSM Complex A36-2		64-55-00N 117-55-00E	Undetermined	Complete	Six launch positions (unrevetted) form circular pattern; inner and outer roads are rectangular; no on-site support facility			0075-17, Feb 58	2-O	23


See footnotes at end of table.

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Table 1. (Continued)

Installation 1/	BE No	Geographic Coordinates	Configuration	Construction Status	Additional Description 2/	First Photographic Coverage	Negation Date	Map Reference (USATC Series 200; Sheet No, Edition Date)	NPIC No	Figure No	
<u>SAM Storage Area</u>											
25. ^{3/} Leningrad	None	59-43-00N 29-18-00E	NA	Complete	Is within Leningrad Southwest Probable AMM Complex; consists of open storage of missiles and related, SA-3 equipment; not an SA-3 site, contrary to NPIC/R-339/64 (Mis-			0153-4HL, May 63	None	24	
					R-439/64; two launchers with two missiles (approx 20 feet long) each, and 12 vans/U/I vehicles observed						
<u>SAM Training Site</u>											
26. Leningrad (no designator)	None	59-52-15N 29-34-40E	Component sites: fan and undetermined	Complete	Consists of two SA-2s adjacent to barracks area similar to that at Leningrad SAM Training Site C06			0153-4HL, May 63	None	25	

1. Located in the USSR except as indicated.
2. The only equipment visible was at the Leningrad SAM Storage Area (number 25 above).
3. Numbers in this column are keyed to the photography referenced on pages 12 and 13 (coverage on which installations identified).
4. Except as noted, sites have normal on-site support facilities. (A normal facility usually consists of one large building approximately 160 by 55 feet, one small building approximately 60 by 35 feet, and 3 to 8 small buildings each approximately 70 by 35 feet.)

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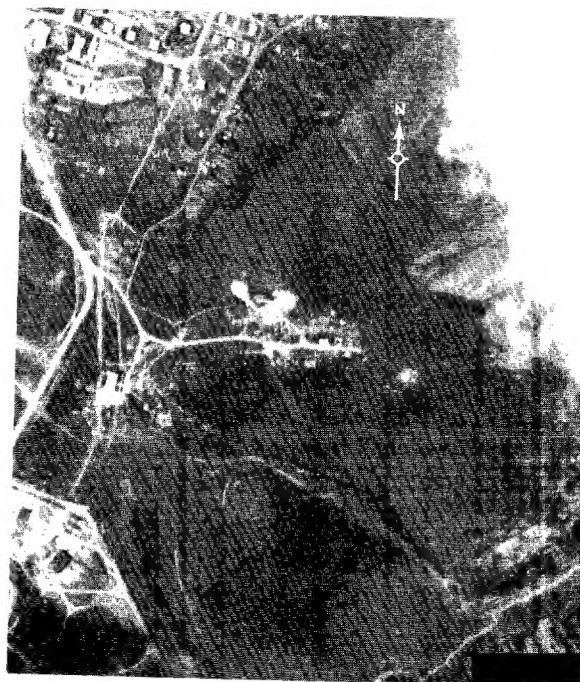
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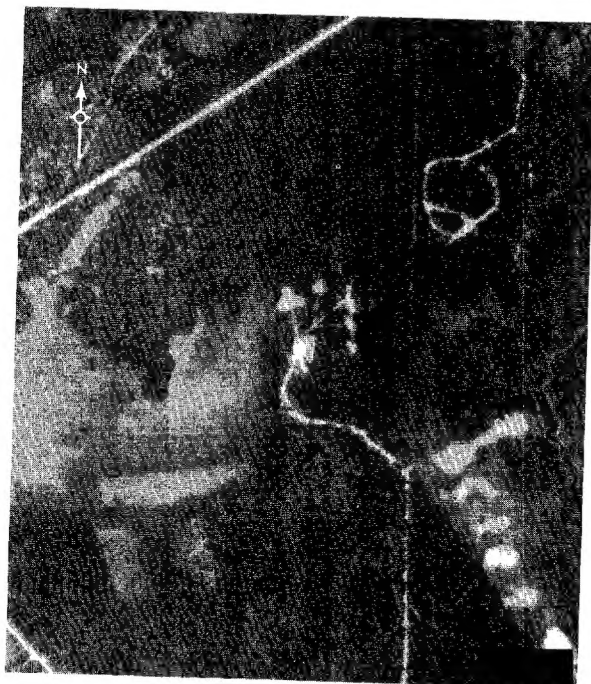
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FIGURE 1. ODESSA SAM SITE A28-3.



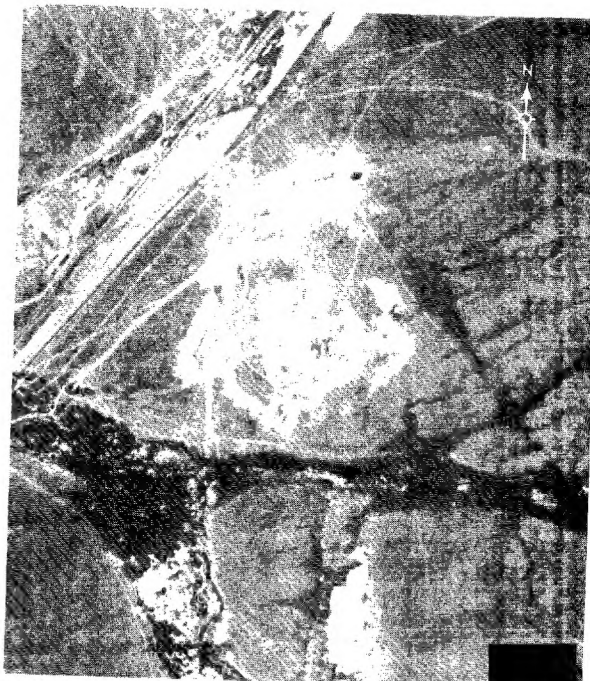
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FIGURE 2. USSURIYSK SAM SITE A04-3.



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FIGURE 3. POSTAVY MRBM COMPLEX POSSIBLE SA-3 SAM SITE (NO DESIGNATOR AT PRESENT).



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FIGURE 4. AKTOGAY SAM SITE D03-2.

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FIGURE 5. BEREZA SAM SITE B20-2.



FIGURE 6. BREST SAM SITE A33-2.



FIGURE 7. BOBRUYSK SAM SITE A27-2.



FIGURE 8. GRODNO SAM SITE C35-2.

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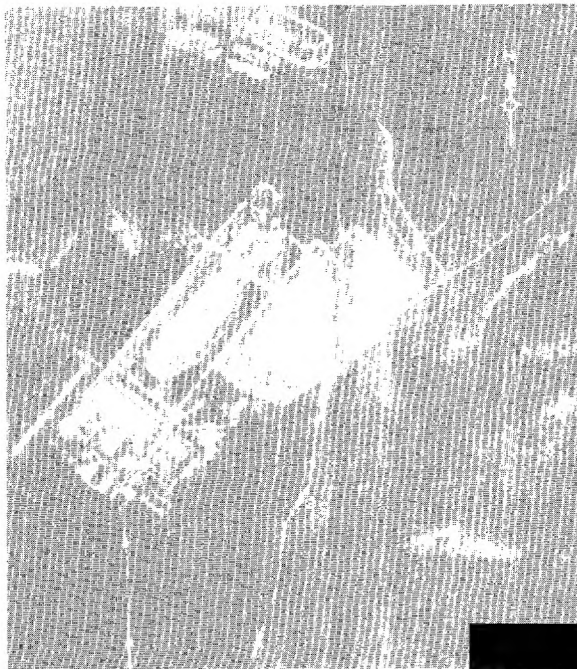
NPIC J-2932 (8/64)

FIGURE 9. GUSTROW SAM SITE A01-2.



NPIC J-2933 (8/64)

FIGURE 10. HALLE SAM SITE A19-2.



NPIC J-2934 (8/64)

FIGURE 11. JENA SAM SITE A25-2.



NPIC J-2935 (8/64)

FIGURE 12. KALININ SAM SITE B31-2.

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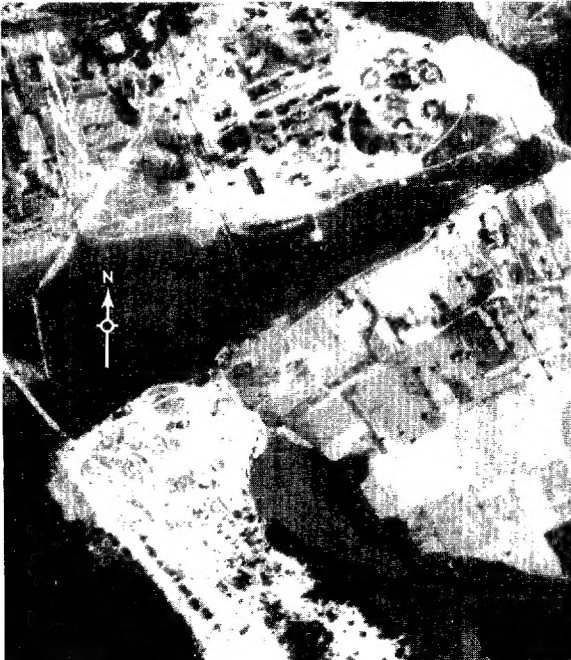


FIGURE 13. KALINKOVICHI SAM SITES A16-2 AND A17-2.



FIGURE 14. MOSCOW SAM SITE E27-2.



FIGURE 15. MUKACHEVO SAM SITE B06-2.

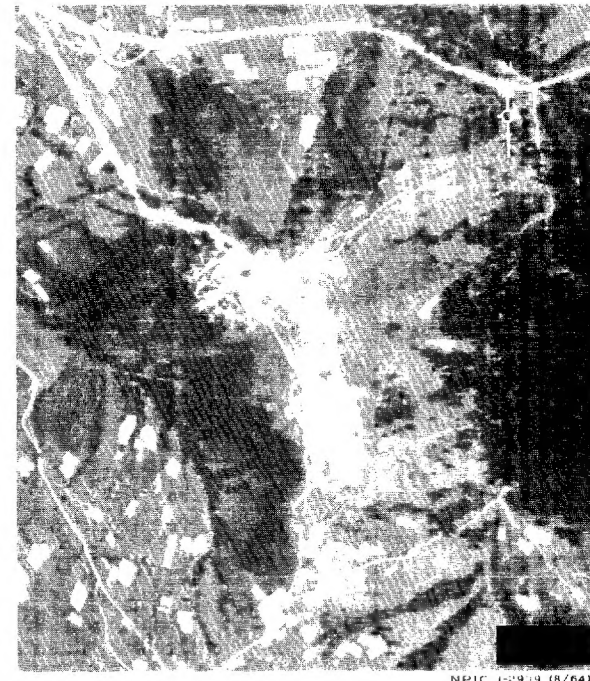


FIGURE 16. NADVORNAYA MRBM COMPLEX SAM SITE C21-2.